



■ Features :

- Universal AC input / Full range
- Built-in active PFC function
- No load power consumption<0.5W
- $^{\bullet}$ Energy efficiency Level $\,V\,$
- Comply with EISA 2007, NRCan, AU/NZ MEPS and EU ErP
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- LED indicator for power on
- · 2 years warranty

SPECIFICATION

ODDED NO







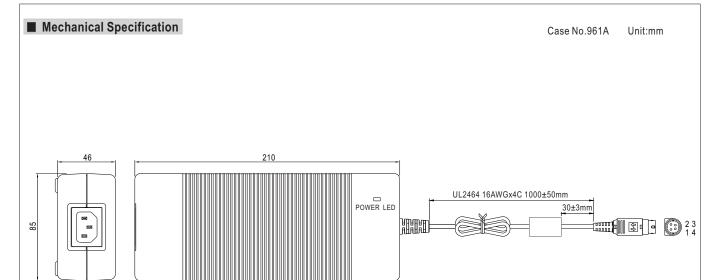








ORDER NO.		GS220A12-R7B	GS220A15-R7B	GS220A20-R7B	GS220A24-R7B	GS220A48-R7B	
	SAFETY MODEL NO.	GS220A12	GS220A15	GS220A20	GS220A24	GS220A48	
ОИТРИТ	DC VOLTAGE Note.2	12V	15V	20V	24V	48V	
	RATED CURRENT	15A	13.4A	11A	9.2A	4.6A	
	CURRENT RANGE	0 ~ 15A	0 ~ 13.4A	0 ~ 11A	0 ~ 9.2A	0 ~ 4.6A	
	RATED POWER (max.)	180W	201W	220W	221W	221W	
	RIPPLE & NOISE (max.) Note.3	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±4.0%	±3.0%	±2.0%	
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION	±5.0%	±5.0%	±4.0%	±3.0%	±2.0%	
	SETUP, RISE TIME Note.6	2000ms, 20ms / 230VAC 2000ms, 20ms / 115VAC at full load					
	HOLD UP TIME (Typ.)	20ms / 230VAC 20ms / 115VAC at full load					
INPUT	VOLTAGE RANGE Note.7	90 ~ 264VAC 127 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.91 / 230VAC PF>0.98 / 115VAC at full load					
	EFFICIENCY (Typ.)	90%	90%	92%	93.5%	94.5%	
	AC CURRENT (Typ.)	4A / 115VAC 2A / 230VAC					
	INRUSH CURRENT (max.)	120A / 230VAC					
	LEAKAGE CURRENT(max.)	1.5mA / 240VAC					
	OVERLOAD 105 ~ 135% rated output power						
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed					
PROTECTION	OVER VOLTAGE	105 ~ 135% rated output voltage					
	OVER VOLIAGE	Protection type: Shut down o/p voltage, re-power on to recover					
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP.	-30 ~ +60°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03% / °C (0~50°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
	SAFETY STANDARDS	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1(except for 48V) approved					
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC					
EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH					
(Note. 8)	EMC EMISSION	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A					
OTHERS	MTBF	191.3K hrs min. MIL-HDBK-217F(25°C)					
	DIMENSION	210*85*46mm (L*W*H)					
	PACKING	1.1Kg; 12pcs/14.2Kg/0.73CUFT					
CONNECTOR	PLUG	See page 2; Other type available by customer requested					
CONNECTOR	CABLE	See page 2; Other type a	available by customer req	uested			
NOTE	DC voltage: The output vol Ripple & noise are measur Tolerance: includes set up Line regulation is measure Length of set up time is measure	rs are specified at 230VAC input, rated load, 25°C 70% RH ambient. The output voltage set at point measure by plug terminal & 50% load. se are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. includes set up tolerance, line regulation, load regulation. on is measured from low line to high line at rated load. It up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. It is to be needed under low input voltage. Please check the derating curve for more details.					



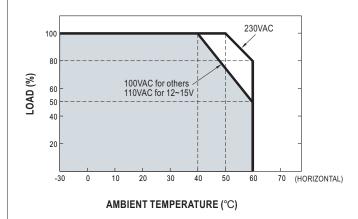
■ Plug Assignment

Standard plug: power DIN 4 pin with lock type, KYCON KPPX-4P equivalent

R7B						
	PIN NO.	OUTPUT				
2 (0 0) 3	1,4	+V				
	2,3	-V				
AC FG						

-V connected to AC FG

■ Derating Curve



■ Static Characteristics

